

JUNIORSCOPE

OPERATION MANUAL

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move the specimen to the center of view field, then rotate higher magnification objective. You may use the fine focusing knob to obtain the clear image.

- In order to obtain bright and clear image, the illumination must be adjusted. When different objective is chosen, you should adjust the iris diaphragm of the condenser and different brightness of the light.
- When the lamp needs to replace, you should shut off the power switch and replace it after the lamp is cool. Note: The contact must be firmed, and the filament center should be adjusted.

V. Maintenance

- Open the package carefully to avoid the damage of the lenses or accessories
- Operate correctly, and put the dust cover on the microscope after work.
- Don't dismantle the instrument rashly besides the replaceable lest the correct position should be breached.
- Keep the instrument in dry and cool place and away from the pollution and corrosion.
- Please send the instrument to the special repair shop if it goes out of order.
- When the objectives and eyepieces won't be used for a long time, please place them into a dry box, and put the dust cover onto the microscope.

VI. Full set of the instrument

1	Mainframe of bio-microscope	1 set
2	Eyepiece: WF10X,	1pc
3	Monocular tube	1 pc
4	Achromatic Objective:4X, 10X,40X	1pc of each
5	Operation Manual	1 copy

I .Application

Biological microscope is combine advanced modular design, developed a new products.

The products have high degree of standardization, beautiful appearance, and also have the feature about rational structure, easy to use, clarity of visual field and quality stability. And these products also are the general Equipment for medical, research, and teaching.

II .Specification of Standard Accessories

1. Eyepieces

Category	Magnificatio n	Diameter of view-field	Remark
eyepiece	WF10X	Φ16.5	
	WF16X	Φ14	Optional

2. Objectives

Category	Magnification	Numerical aperture	Working distance	Remark
objectives	4X			
	10X	0.10	37.5	
	40X(s)	0.25	7.613	
		0.65	0.632	Spring

3.Total magnification

Objectives	tube coefficient	Eyepiece 10X	Eyepiece 16X
4X		40X	64X
10X	1X	100X	160X
40X		400X	640X

you turn it off.

3) Observe the specimen from lower magnification objective firstly and

4. Mechanical tube length: 160mm, Rotating disc diaphragm, Filter diameter: 32mm,
5. Stage size: 90*90mm, Tablet clip,
6. Net: 1.5kgs Gross: 2.0kgs

III. Structure

This series of microscopes are composed of the following main components.

1. Objective lens case and Nosepiece:

Microscope objective lenses are engraved with various tags: magnification, Mechanical tube length/ Cover slip thickness. Such as: objective 40X: 40/0.65; 160/0.17 means that the magnification is 40X; Mechanical tube length is 160mm; Cover slip thickness is 0.17mm.

Nosepiece guarantees smooth rotation by triple revolving nosepiece.

2. Eyepiece: Using WF10X and wide field eyepiece.

This series of microscope's binocular Tube spacing adjustable range is 55mm-75mm

1. Stage: it can be operated much easily by coaxial knob in low position.
2. Condenser: Rotating disc diaphragm It can rotate, and Users should not arbitrarily disassemble.
3. Course Focusing Adjustment: Coarse range is 20mm
4. Base: This is the basis of the product; there are four Rubber machine feet, to make it more Stable.

IV. Operation Instruction

1. Unpacking and installation :

Microscope packaging is foam and carton; host packed in plastic bags, Objective are on the transparent plastic box, Eyepiece with a plastic bag, it should be carefully when install.

Adjustment of the microscope:

- 1) Insert the eyepiece into the eyepiece tube, and screw objectives into the nosepiece in sequence of different magnification from low to high. Then put the specimen on the stage and secure it the position with tablet and move it to the center of stage.
- 2) Turn on the power switch and adjust the brightness from dark to bright slowly. After working, you must adjust the brightness to a little dark before